

# Period 1 Pre-AP

Please find your seat

"Hvl vmkzq czul vzn fql clzppd lyyluhxal  
blzifq, zqo hvzh xn pzmtvhlc." - Kzcr Hbzxq

Front of Room

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutions are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.



# Period 2 Pre-AP

## Please find your seat

"Hvl vmkzq czul vzn fql clzppd lyyluhxal blzifq, zqo hvzh xn pzmtvhlc." -- Kzcr Hbzxq

Front of Room

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutions are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.



# Period 3 Pre-AP

## Please find your seat

"Hvl vmkzq czul vzn fql clzppd lyyluhxal blzifq,  
zqo hvzh xn pzmtvhlc." -- Kzcr Hbzxq

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutions are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.

Front of Room



"Hvl vmkzq czul vzn fql clzppd lyyluhxal  
blzifq, zqo hvzh xn pzmtvhlc."

-- Kzcr Hbzxq

Cryptograms are encoded English sayings where  
each letter has been substituted for another.  
Substitutions are applied consistently in a puzzle.  
A letter may not stand for itself. Decode this  
cryptograms.

# EQ (essential questions)

## Agenda

- A few classroom procedures

- Problem solving Activity

- Chemistry Demo

## Objective

- You will begin to understand what your chemistry class will involve and learn about your peers

# Quick Logistics

Bathroom Policy

Tardy/ Absence policy

# Bathroom Policy

You can go to the bathroom whenever you NEED to go...

But, you need to ask Mr. Golden/ Mr. Heinz


Do not abuse the privilege or you will lose potty time



# Plastics

Each of you received a monomer, for answering a series of questions to help us get to know you.

Follow the directions on the green sheet of paper at the lab bench you are assign to go to.

Write with in the borders only. When you finish cut out the monomer along the “”

You can add color if you like or look up the name of each functional group while you wait.



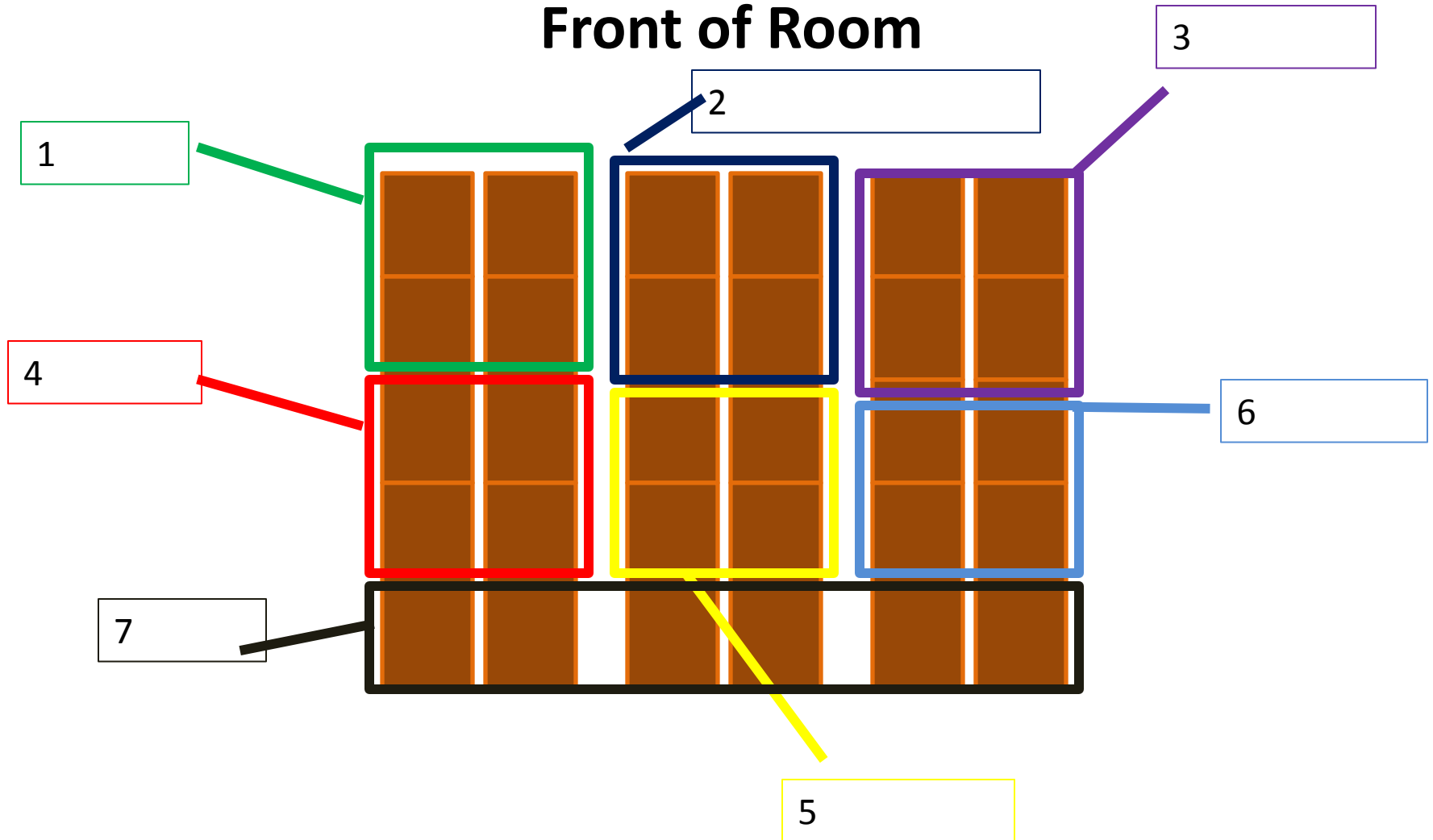
# Plastics

Bring a photo of yourself in to class tomorrow to add to your monomer.

If you do not have one or cannot print it out see Mr. Golden after school today or before school Friday with a digital file or smart phone pic.

# Your Lab Group

Front of Room



# Bell Work: 12-Aug-2016, Pre - AP

On the same paper you used to solve the cryptograph yesterday...

What are some tools you have right now for analyzing a chemical reaction? List at least three (3)

**Analyze:** to examine carefully and in detail so as to identify causes, key factors, possible results, etc.

# Agenda

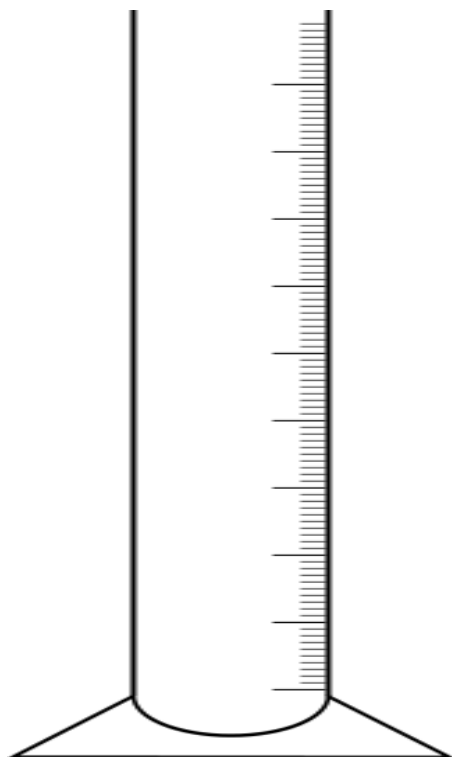
Monomers

Demo

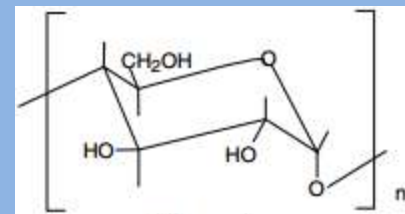
## Objective

Your collaboration and problem solving skills will be examined

# Briggs-Rauscher Oscillating Color Change Rxn



$I^-$



$I_2$

## Agenda

What I need for this class

Word definitions

Groups of the Periodic Table and Your Lab Partners

## Objective

Your collaboration and problem solving skills will be examined

# Home Work

## 12-Aug-2016

Complete “Basic Math Skills”

Start finding...

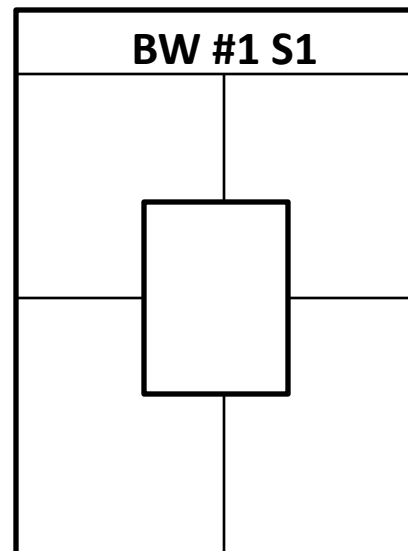
a scientific calculator (not a smart phone ☹). If  
you have a graphing calculator that is fine.

College rule paper, >100 sheets.

Put in a 3 ring binder

# Bell Work

## 15-Aug-2016



**What do you do if you are tardy for class?**

**What type of calculator should you have for this class?**

**What is the chemical symbol for chromium?**

**Convert 5ft into cm, knowing that 1ft =12in and 1in =2.54cm**



## Agenda

Finish Plastic Monomers and Class Polymer

## Objective

You will know a little more about your classmates

# Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

# Chemistry Root word of the Week

*-meter*; measure

examples: thermometer, calorimeter.

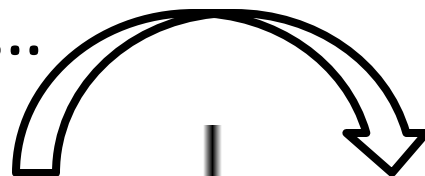
barometer

# Start/ Improve “Thinking Like a Scientist”

Have Fun and explore...

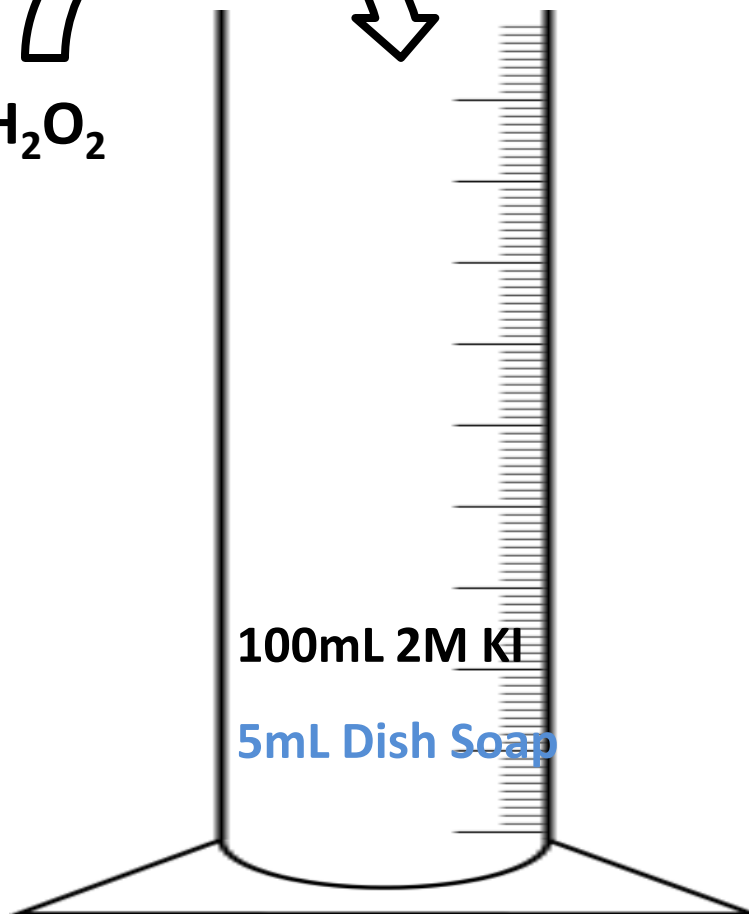
Demo #2

15-20mL 30%  $\text{H}_2\text{O}_2$



100mL 2M KI

5mL Dish Soap



# 16.Aug.16

What is Chemistry?

Make sure you have a login for the school computers before the start of class on the 18<sup>th</sup> of Aug. 2016

On the same paper you used to solve the cryptograph yesterday  
Recalling the demo we did yesterday, we added  $\text{H}_2\text{O}_2$  to a KI solution with  
dish soap, try to explain everything we did;

**leading up to the reaction,**  
**the reaction its self,**  
**and what happened after the rxn.**

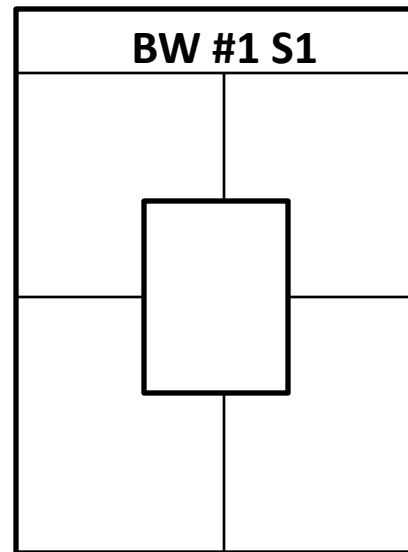
Be specific and include as many observations as possible, ex. colors, shapes,  
temperature, phases.

Additionally what test could we do to determine the gas content evolved  
from the reaction.

**Lastly try to come up with the reaction (reactant = products) that  
represents/ reflects what occurred when we mixed the chemicals  
(reagents).**

# Bell Work

## 16-Aug-2016



What does chemistry mean to you? Please give the following:

- An example of chemistry in your life
- How chemistry has made your life easier
- A definition of chemistry in your own words

***How many dozen (dz) eggs are needed to make 12 muffins?***

***What about 15.5 muffins? (hint cross out units first)***

$$\frac{12\text{muffins}}{1} \times \frac{1\text{batch}}{18\text{muffin}} \times \frac{200\text{blueberrie}}{3\text{batch}} \times \frac{6\text{eggs}}{70\text{blueberries}} \times \frac{1\text{dz}}{12\text{eggs}} =$$

# Bell Work

17-Aug-2016

I. Draw a map of the lab and identify the locations of ...

- a. Eye wash station
- b. Safety shower
- c. Fire blanket
- d. Emergency electrical shut off switches
- e. All exits
- f. Fire extinguisher

II. Little Ms. Caballera went to the gas station for a treat. She only had a certain amount of money to spend. In terms of price, she figured out the following conversion factors:

**4 lollipops = 5 gumballs**

**9 gumballs = 8 lemonheads**

**16 lemonheads = 15 redhots**

If Little Ms. Caballero knows she could buy 12 lollipops, how many redhots could she buy for the same amount of money?

$$\frac{12 \text{ lollipops}}{1} \times \frac{5 \text{ gumballs}}{4 \text{ lollipops}} \times \frac{8 \text{ lemonheads}}{9 \text{ gumballs}} \times \frac{15 \text{ readhots}}{16 \text{ lemonheads}}$$



# Agenda

## Finish Lab Safety

### Objective

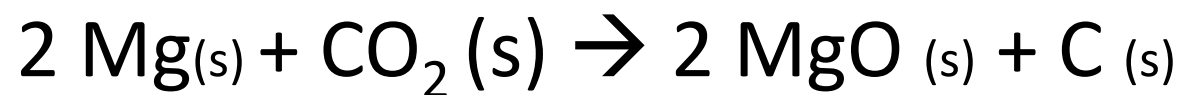
You will know prepare for your safety quiz and know where important feature of the lab are located

# Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

# Demo

Dry ice ( )



**User name: HSXXXXXYYY**

**X first five last name**

**Y first 3 first name**

**PW: HS followed by SI**

Bell Work

18-Aug-2016 Pre - AP

**Cannot log in...**

**User name: hsguest**

**PW: hsguest**

No talking (or you get a zero on the quiz😊)

Go to a computer

Complete the safety quiz when you finish please flip it over

Then...

Log on to a computer and go to the schools web page

[www.fwhs.flowingwellsschools.org](http://www.fwhs.flowingwellsschools.org) → *The Cab Way* → *Our Staff* →  
*Click on the web page link for Mr. Golden* → *Open Pre AP page.*

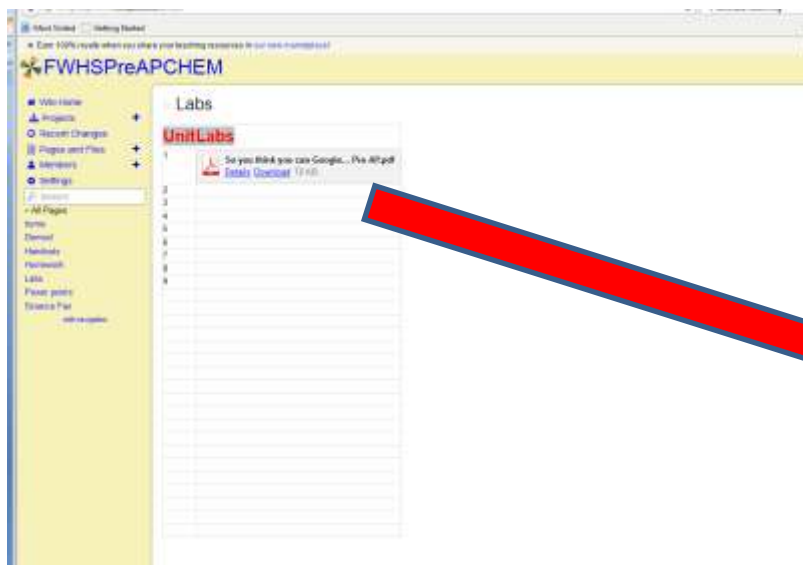
*Write down the different pages on the Pre AP class website and the  
time for study tables*

# Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

# So You Think You Can Google... Day 1

Go to the Labs page (see left panel). In the Labs section open the pdf. file “So you think you can Google”



# Bell Work

## 19-Aug-2016

### Pre - AP

Log on to a computer and go to the Class Web page  
schools web page (Flowing wells school district → school  
info → schools →

[www.fwhs.flowingwellsschools.org](http://www.fwhs.flowingwellsschools.org) → *The Cab Way* → *Our  
Staff* → *Click on the web page link for Mr. Golden* → *Open  
Pre AP page.*

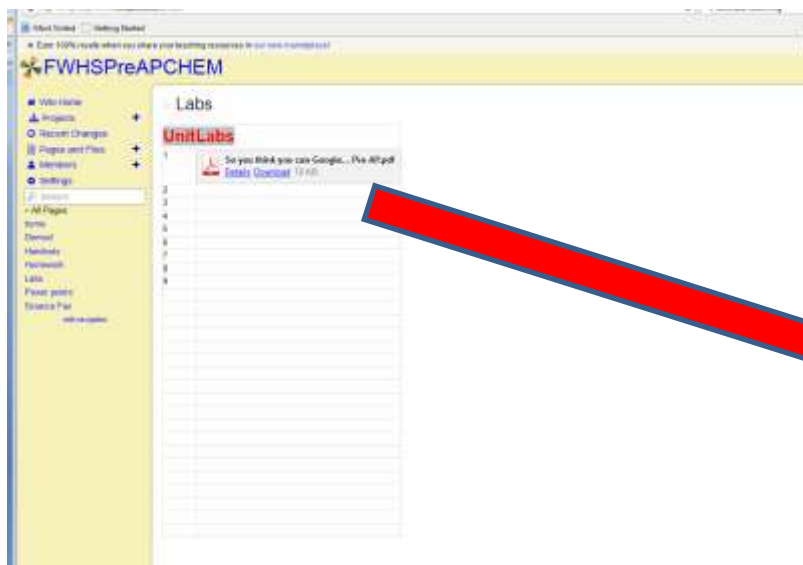
# Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?



# So You Think You Can Google... Day 1

In the lab section of the pdf. file “So you think you can Google” Continue working



Once there begin working on “So You Think You Can  
Google... Day 1 and 2.”

# So you think you can Google...

Turn Both Day 1 and 2 in as a single document.

You may need to cut and past day 2 graphs and tables on to day 1 work and citations

*Save the graph using your name and graph descriptions and period.*

*Ex: **joeshmoe.weatherPx** where x= your period number*

*Now email it to Mr. Golden*

due date: 8:30 22 Aug 2016